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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/070,954 | ARKINSTALL ET AL. | |
| | Examiner | Art Unit | |
| | Brenda L. Coleman | 1624 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 08 October 2008.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-3,5-12,20-22,27-31,35 and 36 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-3,5-12,20-22,27-31,35 and 36 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

| | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ . | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| | 6) <input type="checkbox"/> Other: _____ . |

DETAILED ACTION

Claims 1-3, 5-12, 20-22, 27-31, 35 and 36 are pending in the application.

This action is in response to applicants' amendment dated October 8, 2008.

Claims 1, 2 and 21 have been amended.

Response to Amendment

Applicant's arguments filed October 8, 2008 have been fully considered with the following effect:

1. With regards to the provisional obviousness-type double patenting rejection of claims 1-3 and 5-41 labeled paragraph 1) over copending Application No. 10/381,200 maintained in the last office action, the applicants requested that this rejection be held in abeyance at this time.

Claims 1-3, 5-12, 20-22, 27-31, 35 and 36 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-16 of copending Application No. 10/381,200, for reasons of record and stated above.

2. With regards to the provisional obviousness-type double patenting rejection of claims 1-3 and 5-41 labeled paragraph 2) over copending Application No. 10/381,665 maintained in the last office action, the applicants requested that this rejection be held in abeyance at this time.

Claims 1-3, 5-12, 20-22, 27-31, 35 and 36 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable

over claims 1-16 of copending Application No, 10/381,665, for reasons of record and stated above.

3. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 112, first paragraph rejection, labeled paragraph 5) of the last office action, which is hereby **withdrawn**.

4. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 112, second paragraph rejections, labeled paragraph 6a), oo) and tt) of the last office action, which are hereby **withdrawn**. However, with regards to the 35 U.S.C. § 112, second paragraph rejections, labeled paragraph 6b), c), d), e), f), g), h), i), j), k), l), m), n), o), p), q), r), s), t), u), v), w), x), y), z), aa), bb), cc), dd), ee), ff), gg), hh), ii), jj), kk), ll), mm), nn), pp), qq), rr) and ss) of the last office the applicant's amendments and arguments have been fully considered, however they were not found persuasive.

The applicants' stated that Claim 1 has been amended to recite the specific groups that can be substituents. However, the definition of the substituents on the piperidinyl moiety of Y does not include the substituents as claimed herein.

b) Claim 11 recites the limitation "tert-butylcarbamate" in the 6th species on page 11. There is insufficient antecedent basis for this limitation in the claim.

c) Claim 11 recites the limitation "benzyloxy" in the 9th species on page 11.

There is insufficient antecedent basis for this limitation in the claim.

d) Claim 11 recites the limitation "phenoxy" in the 6th species on page 12.

There is insufficient antecedent basis for this limitation in the claim.

- e) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 7th species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- f) Claim 11 recites the limitation "amino(imino)methyl" in the 2nd species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- g) Claim 11 recites the limitation "2,2-dioxido-1,3-1,3-dihydro-2-benzothien-5-yl" in the 4th species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- h) Claim 11 recites the limitation "2,3-dihydro-1H-inden-5-yl" in the 5th species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- i) Claim 11 recites the limitation "morpholino" in the 1st species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- j) Claim 11 recites the limitation "3-cyclohexyl" in the 3rd species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- k) Claim 11 recites the limitation "(butylamino)sulfonyl" in the 4th species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- l) Claim 11 recites the limitation "4-(5,6,7,8-tetrahydronaphthalen-1ylamino)" in the 6th species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- m) Claim 11 recites the limitation "aminosulfonyl" in the 7th species on page 19. There is insufficient antecedent basis for this limitation in the claim.

- n) Claim 11 recites the limitation "3-propylphenoxy" in the 10th species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- o) Claim 11 recites the limitation "aminosulfonyl" in the 10th species on page 20. There is insufficient antecedent basis for this limitation in the claim.
- p) Claim 11 recites the limitation "aminosulfonyl" in the 9th species on page 22. There is insufficient antecedent basis for this limitation in the claim.
- q) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 10th species on page 23. There is insufficient antecedent basis for this limitation in the claim.
- r) Claim 11 recites the limitation "amino(imino)methyl" in the 1st species on page 24. There is insufficient antecedent basis for this limitation in the claim.
- s) Claim 11 recites the limitation "amino(imino)methyl" in the 6th species on page 24. There is insufficient antecedent basis for this limitation in the claim.
- t) Claim 11 recites the limitation "2,2-dioxido-1,3-1,3-dihydro-2-benzothien-5-yl" in the 8th species on page 24. There is insufficient antecedent basis for this limitation in the claim.
- u) Claim 11 recites the limitation "2,3-dihydro-1H-inden-5-yl" in the 9th species on page 24. There is insufficient antecedent basis for this limitation in the claim.
- v) Claim 11 recites the limitation "morpholin-4-yl" in the 8th species on page 25. There is insufficient antecedent basis for this limitation in the claim.
- w) Claim 11 recites the limitation "3-propylphenoxy" in the 9th species on page 25. There is insufficient antecedent basis for this limitation in the claim.

- x) Claim 11 recites the limitation "2,3-dihydro-1H-inden-5-yl" in the 3rd species on page 26. There is insufficient antecedent basis for this limitation in the claim.
- y) Claim 11 recites the limitation "morpholin-4-yl" in the 1st species on page 27. There is insufficient antecedent basis for this limitation in the claim.
- z) Claim 11 recites the limitation "3-cyclohexyl" in the 7th species on page 27. There is insufficient antecedent basis for this limitation in the claim.
 - aa) Claim 11 recites the limitation "(butylamino)sulfonyl" in the 8th species on page 27. There is insufficient antecedent basis for this limitation in the claim.
 - bb) Claim 11 recites the limitation "4-(5,6,7,8-tetrahydronaphthalen-1ylamino)" in the 10th species on page 27. There is insufficient antecedent basis for this limitation in the claim.
 - cc) Claim 11 recites the limitation "3-propylphenoxy" in the 1st species on page 28. There is insufficient antecedent basis for this limitation in the claim.
 - dd) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 7th species on page 28. There is insufficient antecedent basis for this limitation in the claim.
 - ee) Claim 11 recites the limitation "aminosulfonyl" in the 3rd species on page 29. There is insufficient antecedent basis for this limitation in the claim.
 - ff) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 1st species on page 30. There is insufficient antecedent basis for this limitation in the claim.
 - gg) Claim 11 recites the limitation "amino(imino)methyl" in the 5th species on page 30. There is insufficient antecedent basis for this limitation in the claim.

- hh) Claim 11 recites the limitation "2,2-dioxido-1,3-1,3-dihydro-2-benzothien-5-yl" in the 7th species on page 31. There is insufficient antecedent basis for this limitation in the claim.
- ii) Claim 11 recites the limitation "2,3-dihydro-1H-inden-5-yl" in the 8th species on page 31. There is insufficient antecedent basis for this limitation in the claim.
- jj) Claim 11 recites the limitation "3-propylphenoxy" in the 5th species on page 32. There is insufficient antecedent basis for this limitation in the claim.
- kk) Claim 11 recites the limitation "morpholin-4-yl" in the 6th species on page 32. There is insufficient antecedent basis for this limitation in the claim.
- ll) Claim 11 recites the limitation "3-cyclohexyl" in the 10th species on page 32. There is insufficient antecedent basis for this limitation in the claim.
- mm) Claim 11 recites the limitation "(butylamino)sulfonyl" in the 1st species on page 33. There is insufficient antecedent basis for this limitation in the claim.
- nn) Claim 11 recites the limitation "4-(5,6,7,8-tetrahydronaphthalen-1ylamino)" in the 3rd species on page 33. There is insufficient antecedent basis for this limitation in the claim.
- pp) Claim 11 recites the limitation "aminosulfonyl" in the 8th species on page 34. There is insufficient antecedent basis for this limitation in the claim.
- qq) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 9th species on page 35. There is insufficient antecedent basis for this limitation in the claim.

rr) Claim 11 recites the limitation "amino(imino)methyl" in the 10th species on page 35. There is insufficient antecedent basis for this limitation in the claim.

ss) Claim 12 recites the limitation "aminosulfonyl" in the 2nd species on page 37. There is insufficient antecedent basis for this limitation in the claim.

5. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 102, anticipation rejection, labeled paragraph 7) of the last office action, which is hereby **withdrawn**.

6. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 102, anticipation rejection, labeled paragraph 8) of the last office action, which is hereby **withdrawn**.

7. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 102, anticipation rejection, labeled paragraph 9) of the last office action, which is hereby **withdrawn**.

8. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 102, anticipation rejection, labeled paragraph 10) of the last office action, which is hereby **withdrawn**.

In view of the amendment dated October 8, 2008, the following new grounds of rejection apply:

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

9. Claims 1, 3, 20-22, 27, 28 and 31 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The amendment to the definition of Ar¹ where the substituents include the moiety aminoacyl is not described in the specification with respect to the genus of formula I.

Applicant is required to cancel the new matter in the reply to this Office action.

10. Claims 1, 3, 20-22, 27, 28 and 31 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The amendment to the definition of the substituents include wherein neighboring substituents have undergone ring closure to form lactams; lactones; cyclic anhydrides; acetals; thioacetals; or aminals formed by ring closure between vicinal functional substituents is not described in the specification with respect to the genus of formula I.

Applicant is required to cancel the new matter in the reply to this Office action.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

11. Claims 1-3, 5-12, 20-22, 27-31, 35 and 36 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The following reasons apply:

- a. Claim 1 and claims dependent thereon are vague and indefinite in that it is not known what is meant by aminocarbonyl which is included in the definition of aminoacyl.
- b. Claim 1 and claims dependent thereon are vague and indefinite in that it is not known what is meant by the moiety (C=O)N(R,R') in the third proviso where R and R' are not defined within the claim.
- c. Claim 1 and claims dependent thereon are vague and indefinite in that it is not known what is meant by the second occurrence of C₁-C₆ alkyl and heteroaryl in the definition of the substituents on page 4.
- d. Claim 2 and claims dependent thereon are vague and indefinite in that it is not known what is meant by the hyphen which appears in "dia-stereomers".
- e. Claim 2 and claims dependent thereon are vague and indefinite in that it is not known what is meant by the moiety (C=O)N(R,R') in the last proviso where R and R' are not defined within the claim.
- f. Claim 3 recites the limitation "substituted or unsubstituted cyclic C₄-C₈-alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or

heteroaryl" in the definition of L^1 and L^2 . There is insufficient antecedent basis for this limitation in the claim.

g. Claim 3 recites the limitation " $-NR^3R^3$ ", $-NR^3C(O)NR^3R^3$, $-NHSO_2R^3$ and $(SO_2)NR^3R^3$ " in the definition of L^1 and L^2 . There is insufficient antecedent basis for this limitation in the claim.

h. Claim 3 recites the limitation " $-C(O)-OR^3$ ", $-C(O)-R^3$, $-C(O)-NR^3R^3$, $-NR^3C(O)R^3$, $-(SO)R^3$ and $-(SO_2)R^3$ " in the definition of L^1 and L^2 . There is insufficient antecedent basis for this limitation in the claim when R^3 and/or $R^{3'}$ is alkenyl.

i. Claim 3 recites the limitation " L^1 , L^2 and the repeater on the R^6 is 0 to 4" thus the piperidine ring contains up to 6 substituents. There is insufficient antecedent basis for this limitation in the claim.

j. Claim 5 recites the limitation "phenyl" in the definition of Ar^2 . There is insufficient antecedent basis for this limitation in the claim.

k. Claim 5 recites the limitation "optionally substituted by C_1-C_6 -alkyl....." in the definition of Ar^2 . There is insufficient antecedent basis for this limitation in the claim.

l. Claim 5 recites the limitation "acylamino" in the definition of the substituents on Ar^1 and Ar^2 . There is insufficient antecedent basis for this limitation in the claim.

m. Claim 7 recites the limitation "unsubstituted or substituted" in the definition of Ar^2 . There is insufficient antecedent basis for this limitation in the claim.

- n. Claim 8 recites the limitation "thioxodihydropyridine and pyrazole" in the definition of Ar¹. There is insufficient antecedent basis for this limitation in the claim.
- o. Claim 9 recites the limitation "L¹, L² and the repeater on the R⁶ is 0 to 4" thus the piperidine ring contains up to 6 substituents. There is insufficient antecedent basis for this limitation in the claim.
- p. Claim 9 recites the limitation "substituted or unsubstituted cyclic C₄-C₈-alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or heteroaryl" in the definition of L¹ and L². There is insufficient antecedent basis for this limitation in the claim.
- q. Claim 9 recites the limitation "-NR³R^{3'}, -NR³C(O)NR³R^{3'}, -NHSO₂R³ and (SO₂)NR³R^{3'}" in the definition of L¹ and L². There is insufficient antecedent basis for this limitation in the claim.
- r. Claim 9 recites the limitation "-C(O)-OR³, -C(O)-R³, -C(O)-NR³R^{3'}, -NR³C(O)R³, -(SO)R³ and -(SO₂)R^{3'}" in the definition of L¹ and L². There is insufficient antecedent basis for this limitation in the claim when R³ and/or R^{3'} is alkenyl.
- s. Claim 11 recites the limitation "4-(3-trifluoromethanesulfonyl)phenylamino" in the 1st species on page 10. There is insufficient antecedent basis for this limitation in the claim.
- t. Claim 11 recites the limitation "4-fluorobenzoyl" in the 2nd species on page 10. There is insufficient antecedent basis for this limitation in the claim.

- u. Claim 11 recites the limitation "benzoyl" in the 2nd species on page 11. There is insufficient antecedent basis for this limitation in the claim.
- v. Claim 11 recites the limitation "2-oxo-2,3-dihydro-1H-benzimidazol-1-yl" in the 3rd species on page 11. There is insufficient antecedent basis for this limitation in the claim.
- w. Claim 11 recites the limitation "2,4-difluorobenzoyl" in the 5th species on page 11. There is insufficient antecedent basis for this limitation in the claim.
- x. Claim 11 recites the limitation "(2-tert-butyl-1H-indol-5-yl)amino" in the 2nd species on page 12. There is insufficient antecedent basis for this limitation in the claim.
- y. Claim 11 recites the limitation "4-chlorobenzoyl" in the 5th species on page 12. There is insufficient antecedent basis for this limitation in the claim.
- z. Claim 11 recites the limitation "benzyl(methyl)amino" in the 7th species on page 12. There is insufficient antecedent basis for this limitation in the claim.
- aa. Claim 11 recites the limitation "2,3,4,5,6-pentamethylbenzoyl" in the 10th species on page 12. There is insufficient antecedent basis for this limitation in the claim.
- bb. Claim 11 recites the limitation "anilino" in the 2nd species on page 13. There is insufficient antecedent basis for this limitation in the claim.
- cc. Claim 11 recites the limitation "3-propylanilino" in the 2nd species on page 15. There is insufficient antecedent basis for this limitation in the claim.

dd. Claim 11 recites the limitation "3-trifluoromethylanilino" in the 3rd species on page 15. There is insufficient antecedent basis for this limitation in the claim.

ee. Claim 11 recites the limitation "3-dimethylaminoanilino" in the 4th species on page 15. There is insufficient antecedent basis for this limitation in the claim.

ff. Claim 11 recites the limitation "methyl.....amino-benzoate" in the 5th species on page 15. There is insufficient antecedent basis for this limitation in the claim.

gg. Claim 11 recites the limitation "3-methylsulfanylanilino" in the 6th species on page 15. There is insufficient antecedent basis for this limitation in the claim.

hh. Claim 11 recites the limitation "3-nitroanilino" in the 7th species on page 15. There is insufficient antecedent basis for this limitation in the claim.

ii. Claim 11 recites the limitation "2-methoxyanilino" in the 8th species on page 15. There is insufficient antecedent basis for this limitation in the claim.

jj. Claim 11 recites the limitation "aminobenzamide" in the 9th species on page 15. There is insufficient antecedent basis for this limitation in the claim.

kk. Claim 11 recites the limitation "2-trifluoromethylanilino" in the 10th species on page 15. There is insufficient antecedent basis for this limitation in the claim.

ll. Claim 11 recites the limitation "2-nitro-4-[(trifluoromethyl)sulfonyl]anilino" in the 1st species on page 16. There is insufficient antecedent basis for this limitation in the claim.

mm. Claim 11 recites the limitation "4-chloroanilino" in the 2nd species on page 16. There is insufficient antecedent basis for this limitation in the claim.

- nn. Claim 11 recites the limitation "4-trifluoromethylanilino" in the 3rd species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- oo. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 4th species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- pp. Claim 11 recites the limitation "2-nitroanilino" in the 5th species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- qq. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 6th species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- rr. Claim 11 recites the limitation "3-chloroanilino" in the 8th and 9th species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- ss. Claim 11 recites the limitation "3-methoxyanilino" in the 10th species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- tt. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 1st species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- uu. Claim 11 recites the limitation "3-[(2-hydroxyethyl)sulfonyl]anilino" in the 3rd species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- vv. Claim 11 recites the limitation "2-aminoanilino" in the 4th species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- ww. Claim 11 recites the limitation "2-hydroxyanilino" in the 5th species on page 17. There is insufficient antecedent basis for this limitation in the claim.

- xx. Claim 11 recites the limitation "4-hydroxyanilino" in the 6th species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- yy. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfanyl]anilino" in the 7th species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- zz. Claim 11 recites the limitation "3-toluidino" in the 8th species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- aaa. Claim 11 recites the limitation "3-chloro-5-(trifluoromethyl)pyridine-2-ylamino" in the 9th species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- bbb. Claim 11 recites the limitation "3-(1,3-oxazol-5-yl)anilino" in the 1st species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- ccc. Claim 11 recites the limitation "3-tert-butyylanilino" in the 2nd species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- ddd. Claim 11 recites the limitation "2-propylanilino" in the 3rd species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- eee. Claim 11 recites the limitation "4-propylanilino" in the 6th species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- fff. Claim 11 recites the limitation "{3-nitropyridin-2-yl}amino" in the 7th species on page 18. There is insufficient antecedent basis for this limitation in the claim.

ggg. Claim 11 recites the limitation "(3-aminopyridin-2-yl)amino" in the 8th species on page 18. There is insufficient antecedent basis for this limitation in the claim.

hhh. Claim 11 recites the limitation "[1,1'-biphenyl]-3-ylamino" in the 9th species on page 18. There is insufficient antecedent basis for this limitation in the claim.

iii. Claim 11 recites the limitation "3-benzylanilino" in the 10th species on page 18. There is insufficient antecedent basis for this limitation in the claim.

jjj. Claim 11 recites the limitation "pyrimidin-2-ylamino" in the species on page 18. There is insufficient antecedent basis for this limitation in the claim.

kkk. Claim 11 recites the limitation "[4-(trifluoromethyl)pyrimidin-2-yl]amino" in the 2nd species on page 19. There is insufficient antecedent basis for this limitation in the claim.

III. Claim 11 recites the limitation "3-ethylanilino" in the 5th species on page 19. There is insufficient antecedent basis for this limitation in the claim.

mmm. Claim 11 recites the limitation "quinolin-5-ylanilino" in the 8th species on page 19. There is insufficient antecedent basis for this limitation in the claim.

nnn. Claim 11 recites the limitation "quinolin-8-ylanilino" in the 9th species on page 19. There is insufficient antecedent basis for this limitation in the claim.

ooo. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfonyl]anilino" in the 1st species on page 20. There is insufficient antecedent basis for this limitation in the claim.

ppp. Claim 11 recites the limitation "2,4-difluorobenzoyl" in the 3rd species on page 20. There is insufficient antecedent basis for this limitation in the claim.

qqq. Claim 11 recites the limitation "3-methoxyanilino" in the 5th species on page 20. There is insufficient antecedent basis for this limitation in the claim.

rrr. Claim 11 recites the limitation "3-(trfluoromethyl)anilino" in the 6th species on page 20. There is insufficient antecedent basis for this limitation in the claim.

sss. Claim 11 recites the limitation "3-(dimethylamino)anilino" in the 7th species on page 20. There is insufficient antecedent basis for this limitation in the claim.

ttt. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 8th species on page 20. There is insufficient antecedent basis for this limitation in the claim.

uuu. Claim 11 recites the limitation "3-(methylsulfanyl)anilino" in the 9th species on page 20. There is insufficient antecedent basis for this limitation in the claim.

vvv. Claim 11 recites the limitation "methyl.....aminobenzoate" in the 1st species on page 21. There is insufficient antecedent basis for this limitation in the claim.

www. Claim 11 recites the limitation "3-(aminocarbonyl)anilino" in the 2nd species on page 21. There is insufficient antecedent basis for this limitation in the claim.

xxx. Claim 11 recites the limitation "3-nitroanilino" in the 3rd species on page 21. There is insufficient antecedent basis for this limitation in the claim.

yyy. Claim 11 recites the limitation "2-methoxyanilino" in the 4th species on page 21. There is insufficient antecedent basis for this limitation in the claim.

zzz. Claim 11 recites the limitation "2-(trifluoromethyl)anilino" in the 5th species on page 21. There is insufficient antecedent basis for this limitation in the claim.

aaaa. Claim 11 recites the limitation "2-nitroanilino" in the 6th species on page 21. There is insufficient antecedent basis for this limitation in the claim.

bbbb. Claim 11 recites the limitation "4-chloroanilino" in the 7th species on page 21. There is insufficient antecedent basis for this limitation in the claim.

cccc. Claim 11 recites the limitation "4-(trifluoromethyl)anilino" in the 8th species on page 21. There is insufficient antecedent basis for this limitation in the claim.

dddd. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 9th species on page 21. There is insufficient antecedent basis for this limitation in the claim.

eeee. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 10th species on page 21. There is insufficient antecedent basis for this limitation in the claim.

ffff. Claim 11 recites the limitation "3-propylanilino" in the 1st species on page 22. There is insufficient antecedent basis for this limitation in the claim.

gggg. Claim 11 recites the limitation "3-chloroanilino" in the 2nd species on page 22. There is insufficient antecedent basis for this limitation in the claim.

hhhh. Claim 11 recites the limitation "3-methoxyanilino" in the 3rd species on page 22. There is insufficient antecedent basis for this limitation in the claim.

iiii. Claim 11 recites the limitation "3-(trifluoromethyl)anilino" in the 4th species on page 22. There is insufficient antecedent basis for this limitation in the claim.

jjjj. Claim 11 recites the limitation "3-(dimethylamino)anilino" in the 5th species on page 22. There is insufficient antecedent basis for this limitation in the claim.

kkkk. Claim 11 recites the limitation "3-propylanilino" in the 6th species on page 22. There is insufficient antecedent basis for this limitation in the claim.

llll. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 7th species on page 22. There is insufficient antecedent basis for this limitation in the claim.

mmmm. Claim 11 recites the limitation "3-(methylsulfanyl)anilino" in the 8th species on page 22. There is insufficient antecedent basis for this limitation in the claim.

nnnn. Claim 11 recites the limitation "methyl.....aminobenzoate" in the 10th species on page 22. There is insufficient antecedent basis for this limitation in the claim.

oooo. Claim 11 recites the limitation "{4-nitrobenzoyl}amino" in the 1st species on page 23. There is insufficient antecedent basis for this limitation in the claim.

pppp. Claim 11 recites the limitation "3-nitroanilino" in the 2nd species on page 23. There is insufficient antecedent basis for this limitation in the claim.

qqqq. Claim 11 recites the limitation "2-methoxyanilino" in the 3rd species on page 23. There is insufficient antecedent basis for this limitation in the claim.

rrrr. Claim 11 recites the limitation "2-(trifluoromethyl)anilino" in the 4th species on page 23. There is insufficient antecedent basis for this limitation in the claim.

ssss. Claim 11 recites the limitation "2-nitroanilino" in the 5th species on page 23. There is insufficient antecedent basis for this limitation in the claim.

tttt. Claim 11 recites the limitation "4-chloroanilino" in the 6th species on page 23. There is insufficient antecedent basis for this limitation in the claim.

uuuu. Claim 11 recites the limitation "4-(trifluoromethyl)anilino" in the 7th species on page 23. There is insufficient antecedent basis for this limitation in the claim.

vvvv. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 8th species on page 23. There is insufficient antecedent basis for this limitation in the claim.

wwww. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 9th species on page 23. There is insufficient antecedent basis for this limitation in the claim.

xxxx. Claim 11 recites the limitation "3-[(2-hydroxyethyl)sulfonyl]anilino" in the 2nd and 4th species on page 24. There is insufficient antecedent basis for this limitation in the claim.

yyyy. Claim 11 recites the limitation "anilino" in the 3rd and 5th species on page 24. There is insufficient antecedent basis for this limitation in the claim.

zzzz. Claim 11 recites the limitation "{3-nitropyridin-2-yl}amino" in the 7th species on page 24. There is insufficient antecedent basis for this limitation in the claim.

aaaaa. Claim 11 recites the limitation "2-propylanilino" in the 10th species on page 24. There is insufficient antecedent basis for this limitation in the claim.

bbbb. Claim 11 recites the limitation "4-propylanilino" in the 1st species on page 25. There is insufficient antecedent basis for this limitation in the claim.

ccccc. Claim 11 recites the limitation "3-tert-butyylanilino" in the 2nd species on page 25. There is insufficient antecedent basis for this limitation in the claim.

ddddd. Claim 11 recites the limitation "3-(1,3-oxazol-5-yl)anilino" in the 3rd species on page 25. There is insufficient antecedent basis for this limitation in the claim.

eeeeee. Claim 11 recites the limitation "[3-chloro-5-(trifluoromethyl)pyridine-2-yl]amino" in the 5th species on page 25. There is insufficient antecedent basis for this limitation in the claim.

fffff. Claim 11 recites the limitation "[1,1'-biphenyl]-3-ylamino" in the 6th species on page 25. There is insufficient antecedent basis for this limitation in the claim.

ggggg. Claim 11 recites the limitation "3-benzylanilino" in the 7th species on page 25. There is insufficient antecedent basis for this limitation in the claim.

hhhhh. Claim 11 recites the limitation "pyrimidin-2-ylamino" in the 10th species on page 25. There is insufficient antecedent basis for this limitation in the claim.

iiii. Claim 11 recites the limitation "(3-aminopyridin-2-yl)amino" in the 1st species on page 26. There is insufficient antecedent basis for this limitation in the claim.

jjjjj. Claim 11 recites the limitation "{3-nitropyridin-2-yl}amino" in the 2nd species on page 26. There is insufficient antecedent basis for this limitation in the claim.

kkkkk. Claim 11 recites the limitation "2-propylanilino" in the 4th species on page

26. There is insufficient antecedent basis for this limitation in the claim.

lllll. Claim 11 recites the limitation "4-propylanilino" in the 5th species on page

26. There is insufficient antecedent basis for this limitation in the claim.

mmmmm. Claim 11 recites the limitation "3-tert-butyylanilino" in the 6th species

on page 26. There is insufficient antecedent basis for this limitation in the claim.

nnnnn. Claim 11 recites the limitation "3-(1,3-oxazol-5-yl)anilino" in the 7th

species on page 26. There is insufficient antecedent basis for this limitation in

the claim.

ooooo. Claim 11 recites the limitation "[3-chloro-5-(trifluoromethyl)pyridine-

2-yl]amino" in the 9th species on page 26. There is insufficient antecedent basis

for this limitation in the claim.

ppppp. Claim 11 recites the limitation "[1,1'-biphenyl]-3-ylamino" in the 10th

species on page 26. There is insufficient antecedent basis for this limitation in

the claim.

qqqqq. Claim 11 recites the limitation "3-benzylanilino" in the 11th species

on page 26. There is insufficient antecedent basis for this limitation in the claim.

rrrrr. Claim 11 recites the limitation "2-aminoanilino" in the 2nd species on page

27. There is insufficient antecedent basis for this limitation in the claim.

sssss. Claim 11 recites the limitation "pyrimidin-2-ylamino" in the 3rd species on

page 27. There is insufficient antecedent basis for this limitation in the claim.

ttttt. Claim 11 recites the limitation "(3-aminopyridin-2-yl)amino" in the 4th species on page 27. There is insufficient antecedent basis for this limitation in the claim.

uuuuu. Claim 11 recites the limitation "2-nitro-4-[(trifluoromethyl)sulfonyl]anilino" in the 5th species on page 27. There is insufficient antecedent basis for this limitation in the claim.

vvvvv. Claim 11 recites the limitation "[4-(trifluoromethyl)pyrimidin-2-yl]amino" in the 6th species on page 27. There is insufficient antecedent basis for this limitation in the claim.

wwwww. Claim 11 recites the limitation "3-ethylanilino" in the 9th species on page 27. There is insufficient antecedent basis for this limitation in the claim.

xxxxx. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfonyl]anilino" in the 4th species on page 28. There is insufficient antecedent basis for this limitation in the claim.

yyyyy. Claim 11 recites the limitation "3-methoxyanilino" in the 8th species on page 28. There is insufficient antecedent basis for this limitation in the claim.

zzzzz. Claim 11 recites the limitation "3-(trifluoromethyl)anilino" in the 9th species on page 28. There is insufficient antecedent basis for this limitation in the claim.

aaaaaa. Claim 11 recites the limitation "3-(dimethylamino)anilino" in the 10th species on page 28. There is insufficient antecedent basis for this limitation in the claim.

bbbbbb. Claim 11 recites the limitation "3-propylanilino" in the 11th species on page 28. There is insufficient antecedent basis for this limitation in the claim.

cccccc. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 1st species on page 29. There is insufficient antecedent basis for this limitation in the claim.

dddddd. Claim 11 recites the limitation "3-(methylsulfanyl)anilino" in the 2nd species on page 29. There is insufficient antecedent basis for this limitation in the claim.

eeeeee. Claim 11 recites the limitation "methyl.....aminobenzoate" in the 4th species on page 29. There is insufficient antecedent basis for this limitation in the claim.

ffffff. Claim 11 recites the limitation "3-(aminocarbonyl)anilino" in the 5th species on page 29. There is insufficient antecedent basis for this limitation in the claim.

gggggg. Claim 11 recites the limitation "2-methoxyanilino" in the 6th species on page 29. There is insufficient antecedent basis for this limitation in the claim.

hhhhhh. Claim 11 recites the limitation "3-nitroanilino" in the 7th species on page 29. There is insufficient antecedent basis for this limitation in the claim.

iiiiii. Claim 11 recites the limitation "2-(trifluoromethyl)anilino" in the 8th species on page 29. There is insufficient antecedent basis for this limitation in the claim.

jjjjjj. Claim 11 recites the limitation "2-nitroanilino" in the 9th species on page 29. There is insufficient antecedent basis for this limitation in the claim.

kkkkkk. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 10th species on page 29. There is insufficient antecedent basis for this limitation in the claim.

llllll. Claim 11 recites the limitation "3-chloroanilino" in the 2nd species on page 30. There is insufficient antecedent basis for this limitation in the claim.

mmmmmm. Claim 11 recites the limitation "4-chloroanilino" in the 3rd species on page 30. There is insufficient antecedent basis for this limitation in the claim.

nnnnnn. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 4th species on page 30. There is insufficient antecedent basis for this limitation in the claim.

oooooo. Claim 11 recites the limitation "[(2-hydroxyethyl)sulfonyl]anilino" in the 6th species on page 30. There is insufficient antecedent basis for this limitation in the claim.

pppppp. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfonyl]anilino" in the 7th species on page 30. There is insufficient antecedent basis for this limitation in the claim.

qqqqqq. Claim 11 recites the limitation "anilino" in the 8th species on page 30. There is insufficient antecedent basis for this limitation in the claim.

rrrrrr. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfanyl]anilino" in the 9th species on page 30. There is insufficient antecedent basis for this limitation in the claim.

ssssss. Claim 11 recites the limitation "4-hydroxyanilino" in the 10th species on page 30. There is insufficient antecedent basis for this limitation in the claim.

tttttt. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfanyl]anilino" in the 1st and 2nd species on page 31. There is insufficient antecedent basis for this limitation in the claim.

uuuuuu. Claim 11 recites the limitation "2-hydroxyanilino" in the 3rd species on page 31. There is insufficient antecedent basis for this limitation in the claim.

vvvvvv. Claim 11 recites the limitation "pyrimidin-2-ylamino" in the 4th species on page 31. There is insufficient antecedent basis for this limitation in the claim.

wwwwww. Claim 11 recites the limitation "{3-aminopyridin-2-yl}amino" in the 5th species on page 31. There is insufficient antecedent basis for this limitation in the claim.

xxxxxx. Claim 11 recites the limitation "{3-nitropyridin-2-yl}amino" in the 6th species on page 31. There is insufficient antecedent basis for this limitation in the claim.

yyyyyy. Claim 11 recites the limitation "2-propylanilino" in the 9th species on page 31. There is insufficient antecedent basis for this limitation in the claim.

zzzzzz. Claim 11 recites the limitation "4-propylanilino" in the 10th species on page 31. There is insufficient antecedent basis for this limitation in the claim.

aaaaaaaa. Claim 11 recites the limitation "3-tert-butyylanilino" in the 1st species on page 32. There is insufficient antecedent basis for this limitation in the claim.

bbbbbbb. Claim 11 recites the limitation "[3-chloro-5-(trifluoromethyl)pyridine-2-yl]amino" in the 2nd species on page 32. There is insufficient antecedent basis for this limitation in the claim.

ccccccc. Claim 11 recites the limitation "3-(1,3-oxazol-5-yl)anilino" in the 3rd species on page 32. There is insufficient antecedent basis for this limitation in the claim.

ddddddd. Claim 11 recites the limitation "[1,1'-biphenyl]-3-ylamino" in the 4th species on page 32. There is insufficient antecedent basis for this limitation in the claim.

eeeeeee. Claim 11 recites the limitation "3-benzylanilino" in the 8th species on page 32. There is insufficient antecedent basis for this limitation in the claim.

fffffff. Claim 11 recites the limitation "[4-(trifluoromethyl)pyrimidin-2-yl]amino" in the 9th species on page 32. There is insufficient antecedent basis for this limitation in the claim.

ggggggg. Claim 11 recites the limitation "3-ethylanilino" in the 2nd species on page 33. There is insufficient antecedent basis for this limitation in the claim.

hhhhhhh. Claim 11 recites the limitation "5-nitro-1H-pyrazole" in the 4th species on page 33. There is insufficient antecedent basis for this limitation in the claim.

iiiiiii. Claim 11 recites the limitation "2-thioxo-1,2-dihdropyridine" in the 6th species on page 33. There is insufficient antecedent basis for this limitation in the claim.

jjjjjjj. Claim 11 recites the limitation "3-propylanilino" in the 1st species on page 34. There is insufficient antecedent basis for this limitation in the claim.

kkkkkkk. Claim 11 recites the limitation "3-chloroanilino" in the 2nd species on page 34. There is insufficient antecedent basis for this limitation in the claim.

lllllll. Claim 11 recites the limitation "3-methoxyanilino" in the 3rd species on page 34. There is insufficient antecedent basis for this limitation in the claim.

mmmmmmm. Claim 11 recites the limitation "3-(trifluoromethyl)anilino" in the 4th species on page 34. There is insufficient antecedent basis for this limitation in the claim.

nnnnnnn. Claim 11 recites the limitation "3-(dimethylamino)anilino" in the 5th species on page 34. There is insufficient antecedent basis for this limitation in the claim.

oooooooo. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 6th species on page 34. There is insufficient antecedent basis for this limitation in the claim.

ppppppp. Claim 11 recites the limitation "3-(methylsulfanyl)anilino" in the 7th species on page 34. There is insufficient antecedent basis for this limitation in the claim.

qqqqqqq. Claim 11 recites the limitation "methyl aminobenzoate" in the 9th species on page 34. There is insufficient antecedent basis for this limitation in the claim.

rrrrrrr. Claim 11 recites the limitation "aminobenzamide" in the 10th species on page 34. There is insufficient antecedent basis for this limitation in the claim.

sssssss. Claim 11 recites the limitation "3-nitroanilino" in the 1st species on page 35. There is insufficient antecedent basis for this limitation in the claim.

tttttt. Claim 11 recites the limitation "2-methoxyanilino" in the 2nd species on page 35. There is insufficient antecedent basis for this limitation in the claim.

uuuuuuu. Claim 11 recites the limitation "2-(trifluoromethyl)anilino" in the 3rd species on page 35. There is insufficient antecedent basis for this limitation in the claim.

vvvvvv. Claim 11 recites the limitation "2-nitroanilino" in the 4th species on page 35. There is insufficient antecedent basis for this limitation in the claim.

wwwwww. Claim 11 recites the limitation "4-chloroanilino" in the 5th species on page 35. There is insufficient antecedent basis for this limitation in the claim.

xxxxxx. Claim 11 recites the limitation "4-(trifluoromethyl)anilino" in the 6th species on page 35. There is insufficient antecedent basis for this limitation in the claim.

yyyyyy. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 7th species on page 35. There is insufficient antecedent basis for this limitation in the claim.

zzzzzz. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 8th species on page 35. There is insufficient antecedent basis for this limitation in the claim.

aaaaaaaa. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfonyl]anilino" in the 1st species on page 36. There is insufficient antecedent basis for this limitation in the claim.

bbbbbbbb. Claim 11 recites the limitation "anilino" in the 2nd species on page 36. There is insufficient antecedent basis for this limitation in the claim.

cccccccc. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfanyl]anilino" in the 3rd species on page 36. There is insufficient antecedent basis for this limitation in the claim.

dddddd. Claim 12 recites the limitation "2,4-difluorobenzoyl" in the 1st species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

eeeeeee. Claim 12 recites the limitation "anilino" in the 2nd species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

fffffff. Claim 12 recites the limitation "3-propylanilino" in the 5th species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

ggggggg. Claim 12 recites the limitation "4-chloroanilino" in the 6th species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

hhhhhhh. Claim 12 recites the limitation "[(2-hydroxyethyl)sulfonyl]anilino" in the 7th species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

iiiiiii. Claim 12 recites the limitation "3-methoxyanilino" in the 9th species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

jjjjjjjj. Claim 12 recites the limitation "methyl.....aminobenzoate" in the 10th species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

kkkkkkkk. Claim 12 recites the limitation "2-nitroanilino" in the 12th species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

|||||||. Claim 21 recites the limitation "L¹, L² and the repeater on the R⁶ is 0 to 4" thus the piperidine ring contains up to 6 substituents. There is insufficient antecedent basis for this limitation in the claim.

mmmmmmmm. Claim 21 is vague and indefinite in that it is not known what is meant by aryl- C₁-C₆ alkyl heteroaryl- C₁-C₆ alkyl in the definition of L¹ and L².

nnnnnnnn. Claim 21 recites the limitation "substituted or unsubstituted cyclic C₄-C₈-alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or heteroaryl" in the definition of L¹ and L². There is insufficient antecedent basis for this limitation in the claim.

oooooooo. Claim 21 recites the limitation "-NR³R^{3'}, -NR³C(O)NR³R^{3'}, -NHSO₂R³ and (SO₂)NR³R^{3'}" in the definition of L¹ and L². There is insufficient antecedent basis for this limitation in the claim.

pppppppp. Claim 21 recites the limitation "-C(O)-OR³, -C(O)-R³, -C(O)-NR³R^{3'}, -NR³C(O)R³, -(SO)R³ and -(SO₂)R^{3'}" in the definition of L¹ and L². There is insufficient antecedent basis for this limitation in the claim when R³ and/or R^{3'} is alkenyl.

qqqqqqqq. Claim 36 recites the limitation "a triazole ring which is fused with an aryl ring" in the definition of L¹. There is insufficient antecedent basis for this limitation in the claim.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda L. Coleman whose telephone number is 571-272-0665. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Brenda L. Coleman/
Primary Examiner, Art Unit 1624